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Datum/Date
05.08.03

Zeichen/Ref./Réf. 2020528	Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°. 03396029.5-1246-
Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire VALTION TEKNILLINEN TUTKIMUSKESKUS	

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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OF! FIRST: 1.9.03
mit. 4/8-03/jir

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U.S. PRIOR ART

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.

→ Tlp 4/8-03/jir





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 00 64071 A (BARTELME JOSEPH PETER ; MCCARTY ROBERT JOSEPH (US); COMSPACE CORP () 26 October 2000 (2000-10-26)	1,2,6,8, 9,13	H04B7/005
Y	* page 14, line 5-13 * * claims 1,6-9 * * figures 1,6 * * page 16, line 9-18 * ---	3-5,7, 10-12,14	
Y	GB 2 341 294 A (ROKE MANOR RESEARCH) 8 March 2000 (2000-03-08) * page 2, paragraphs 3,4 * * claims 1-3 * * figure 3 * ---	3-5,7, 10-12,14	
X	WO 01 01599 A (RAAF BERNHARD ; SIEMENS AG (DE)) 4 January 2001 (2001-01-04) * claims 1-4,12-15 * * figure 1 * ---	1,2,6,8, 9,13	
X	WO 00 74261 A (KONINKL PHILIPS ELECTRONICS NV) 7 December 2000 (2000-12-07) * page 9, line 14 - page 10, line 12 * * claims 1,3 * ---	1,2,6,8, 9,13	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04B
A	WO 00 62441 A (ERICSSON TELEFON AB L M) 19 October 2000 (2000-10-19) * page 16, line 15 - page 17, line 7 * * figures 1,6 * -----	1-14	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29 July 2003	Examiner Yang, Y
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 39 6029

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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29-07-2003

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 0064071	A	26-10-2000	US	6445930 B1	03-09-2002
			AU	4645600 A	02-11-2000
			TW	466845 B	01-12-2001
			WO	0064071 A2	26-10-2000
GB 2341294	A	08-03-2000	NONE		
WO 0101599	A	04-01-2001	CN	1361948 T	31-07-2002
			WO	0101599 A1	04-01-2001
			EP	1188256 A1	20-03-2002
			HU	0201806 A2	28-09-2002
			JP	2003503883 T	28-01-2003
WO 0074261	A	07-12-2000	CN	1316137 T	03-10-2001
			CN	1318230 T	17-10-2001
			WO	0074260 A1	07-12-2000
			WO	0074261 A1	07-12-2000
			EP	1101292 A1	23-05-2001
			EP	1101293 A1	23-05-2001
			JP	2003501866 T	14-01-2003
			JP	2003501867 T	14-01-2003
			TW	474073 B	21-01-2002
			TW	493323 B	01-07-2002
			US	6556838 B1	29-04-2003
WO 0062441	A	19-10-2000	US	6334047 B1	25-12-2001
			AU	4161500 A	14-11-2000
			CA	2369918 A1	19-10-2000
			CN	1355964 T	26-06-2002
			EP	1169785 A1	09-01-2002
			JP	2002542655 T	10-12-2002
			WO	0062441 A1	19-10-2000
			TW	462155 B	01-11-2001